

INTERNATIONAL SEARCH REPORT

PCT/US2004/038936

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2003/129950 A1 (KWAK MIN-WOO) 10 July 2003 (2003-07-10) abstract; figures 3-12	1-6, 8-16, 18-23, 25,26, 28-32, 34,35
X	US 2002/084938 A1 (KIM SEONG-YUN) 4 July 2002 (2002-07-04) abstract; figures 3-6 ----- -/--	1-5, 7-12, 14, 15, 17-22, 24,25, 27-31, 33,34,36

☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

11 May 2005

Date of mailing of the international search report

20/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>YAHAYA M F ET AL: "FLAP ANTENNA ON THE LABEL"</p> <p>MOTOROLA TECHNICAL DEVELOPMENTS, MOTOROLA INC. SCHAUMBURG, ILLINOIS, US, vol. 24, 1 March 1995 (1995-03-01), pages 118-120, XP000500367</p> <p>ISSN: 0887-5286</p> <p>page 1, column 2, paragraph 6 - page 2, column 1, paragraph 1; figure 2</p>	1-36
A	<p>US 6 246 374 B1 (PERROTTA ALESSANDRO ET AL) 12 June 2001 (2001-06-12)</p> <p>abstract; figure 2</p>	6,13,16, 23,26, 32,35
A	<p>US 5 542 106 A (KRENZ ET AL)</p> <p>30 July 1996 (1996-07-30)</p> <p>the whole document</p>	1-36

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US 2002084938 A1	04-07-2002	KR 2002056995 A	11-07-2002
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US 5542106 A	30-07-1996	BR 9504011 A CA 2155388 A1 CN 1127960 A ,C DE 19531376 A1 FR 2724794 A1 GB 2293276 A ,B JP 8097617 A KR 192189 B1 SG 32491 A1	24-09-1996 16-03-1996 31-07-1996 28-03-1996 22-03-1996 20-03-1996 12-04-1996 15-06-1999 13-08-1996